

04/12/01
JC860 U.S. PTO

Please type a sign (+) inside this box

PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 1-351]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) (Figs 1-14, 15A-15D)
[Total Sheets 18]
5. Oath or Declaration (unexecuted) [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76.

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP)
Prior application information: Examiner _____

of prior application No: _____
Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label: 22195 or Correspondence address below

NAME				
ADDRESS				
CITY	STATE		ZIP CODE	
COUNTRY	TELEPHONE		FAX	
NAME (Print/Type)	Michele M. Wales		Registration No. (Attorney/Agent)	43,975
SIGNATURE	<i>Michele M. Wales</i>		Date April 12, 2001	

Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

Total amount of payment

\$4,390.00

Complete if Known

Application Number	To be assigned
Filing Date	April 12, 2001
First Named Inventor	ROSEN et al.
Examiner Name	To be assigned
Group Art Unit	To be assigned

Attorney Docket Number PF547

METHOD OF PAYMENT						FEE CALCULATION (continued)																																											
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:						3. ADDITIONAL FEES																																											
Deposit Account Number 08-3425						Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description																																							
Deposit Account Name Human Genome Sciences, Inc.						105	130	205	65	Surcharge - late filing fee or oath																																							
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17						127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27						139	130	139	130	Non-English specification																																							
2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other						147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																							
FEE CALCULATION						112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																							
1. BASIC FILING FEE						113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																							
<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Code</td> <td>Fee (\$)</td> </tr> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td>Utility filing fee</td> <td>710.00</td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table>						Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	710	201	355	Utility filing fee	710.00	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		115	110	215	55	Extension for reply within first month	
Large Entity	Small Entity	Fee Description	Fee Paid																																														
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108	710	208	355	Reissue filing fee																																													
114	150	214	75	Provisional filing fee																																													
SUBTOTAL. (1) \$710.00						116	390	216	195	Extension for reply within second month																																							
2. EXTRA CLAIM FEES						117	890	217	445	Extension for reply within third month																																							
<table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Independent Claims</td> <td>205</td> <td>-20*</td> <td>185 \$18.00 \$3330</td> </tr> <tr> <td>Multiple Dependent</td> <td>4</td> <td>-3*</td> <td>1 \$80.00 \$80</td> </tr> </tbody> </table>						Total Claims	Extra Claims	Fee from below	Fee Paid	Independent Claims	205	-20*	185 \$18.00 \$3330	Multiple Dependent	4	-3*	1 \$80.00 \$80	118	1,390	218	695	Extension for reply within fourth month																											
Total Claims	Extra Claims	Fee from below	Fee Paid																																														
Independent Claims	205	-20*	185 \$18.00 \$3330																																														
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SUBTOTAL. (2) \$3,680.00						128	1,890	228	945	Extension for reply within fifth month																																							
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Large Entity	Small Entity	Fee Description	Fee Paid																																														
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110	18	210	9	** Reissue claims in excess of 20 and over original patent																																													
SUBTOTAL (2) \$3,680.00						120	310	220	155	Filing a brief in support of an appeal																																							
** or number previously paid, if greater. For Reissues, see above						121	270	221	135	Request for oral hearing																																							
						128	1,510	138	1,510	Petition to institute a public use proceeding																																							
						140	110	240	55	Petition to revive -unavoidable																																							
						141	1,240	241	620	Petition to revive - unintentional																																							
						142	1,240	242	620	Utility issue fee (or reissue)																																							
						143	440	243	220	Design issue fee																																							
						144	600	244	300	Plant issue fee																																							
						122	130	122	130	Petitions to the Commissioner																																							
						123	50	123	50	Petitions related to provisional applications																																							
						126	180	126	180	Submission of Information Disclosure Statement																																							
						581	40	481	40	Recording each patent assignment per property (times number of properties)																																							
						146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																							
						149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))																																							
						179	710	279	355	Request for Continued Examination (RCE)																																							
						169	900	169	900	Request for expedited examination of a design application																																							
						Other fee (specify):																																											
						Other fee (specify):																																											
						Other fee (specify):																																											
						SUBTOTAL. (3) \$0.00																																											

Submitted By

Complete if applicable

Name (Print/Type) Michele M. Wales	Registration No.: 43,975	Telephone: 301-610-5772
Signature: 		Date: 4/12/01

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